

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
18 November 2004 (18.11.2004)

PCT

(10) International Publication Number  
**WO 2004/099745 A1**

- (51) International Patent Classification<sup>7</sup>: G01L 1/00, A61B 5/103 (74) Agent: GLOBAL INTELLECTUAL PROPERTY; AstraZeneca, S-151 85 Sodertälje (SE).
- (21) International Application Number: PCT/GB2004/001954 (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 5 May 2004 (05.05.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 0310818.0 10 May 2003 (10.05.2003) GB (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (*for all designated States except MG, US*): ASTRAZENECA AB [SE/SE]; S-151 85 Sodertälje (SE).
- (71) Applicant (*for MG only*): ASTRAZENECA UK LIMITED [GB/GB]; 15 Stanhope Gate, London, Greater London W1K 1LN (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): GAN, Li-Ming [SE/SE]; AstraZeneca R & D Molndal, S-431 83 Molndal (SE). MARBERG, Lars-Eric [SE/SE]; AstraZeneca R & D Molndal, S-431 83 Molndal (SE).

**Published:**

— with international search report.

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

WO 2004/099745 A1

(54) Title: ASSAY

(57) Abstract: The present invention relates to an *ex vivo* plaque rupture model, its uses, in particular as a screen for atherosclerosis plaque stabilising drugs, and apparatus used in the model.